

JUN 13 2005

PTO/SB/21 (09-04)

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**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Application Number

10/766,313

Filing Date

January 27, 2004

First Named Inventor

Kenneth B. Beckman

Group Art Unit

1713

Examiner Name

Unassigned

Total Number of Pages in This Submission

Attorney Docket Number

20-001320US

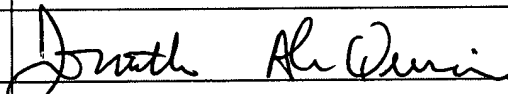
ENCLOSURES (check all that apply)☐ Fee Transmittal Form☐ Fee Attached☐ Amendment / Response☐ After Final☐ Affidavits/declaration(s)☐ Extension of Time Request☐ Express Abandonment Request☒ Information Disclosure Statement☐ Certified Copy of Priority Document(s)☐ Response to Missing Parts/
Incomplete Application☐ Response to Missing
Parts under 37 CFR
1.52 or 1.53☐ Assignment Papers
(for an Application)☐ Drawing(s)☐ Licensing-related Papers☐ Petition Routing Slip (PTO/SB/69)
and Accompanying Petition☐ Petition to Convert to a
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(Appeal Notice, Brief, Reply Brief)☐ Proprietary Information☐ Status Letter☒ Additional Enclosure(s)
(please identify below):1449, cited references and
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this paper or during the pendency of this application, including any extensions of time
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Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENTFirm
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Jonathan Alan Quine, Reg. No. 41,261, Quine Intellectual Property Law Group, P.C.

Signature



Date

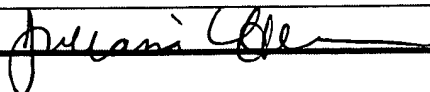
June 9, 2005

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the date shown below

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Juliana Hermes

Signature



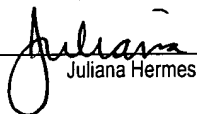
Date

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QUINE INTELLECTUAL PROPERTY LAW GROUP, P.C.

By


Juliana Hermes

Attorney Docket No. 20-001320US
Client Ref. No.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Kenneth B. Beckman, et al.

Application No.: 10/766,313

Filed: January 27, 2004

For: HAIRPIN PRIMER
AMPLIFICATION

Confirmation No. 1217

Examiner: Unassigned

Art Unit: 1713

INFORMATION DISCLOSURE
STATEMENT UNDER 37 CFR § 1.97 and
§ 1.98

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

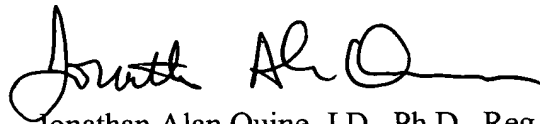
The references cited on attached form PTO-1449 are being called to the attention of the Examiner. Copies of the cited references (excluding U.S. Patents and U.S. published applications) are enclosed. It is respectfully requested that the cited information be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.



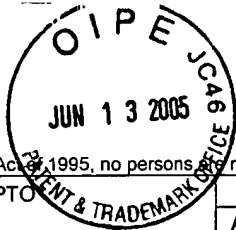
Applicant believes that no fee is required for submission of this statement, since it is being submitted prior to the first Office Action on the merits per 37 CFR 1.97(b)(3). However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 50-0893. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Jonathan Alan Quine", followed by a horizontal line.

Jonathan Alan Quine, J.D., Ph.D., Reg. No. 41,261
For Monica Elrod-Erickson, Reg. No. 51,261

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Substitute for form 1449A-B/PTO

Complete if Known

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Application Number	10/766,313
Filing Date	January 27, 2004
First Named Inventor	Kenneth B. Beckman
Group Art Unit	1713
Examiner Name	Unassigned
Attorney Docket Number	20-001320US
Date Submitted	June 9, 2005

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, lines, Where Relevant Passages or Relevant Figures Appeal
		Number	Kind Code (if known)			
	1	5,066,584		Mayrand	11-19-1991	
	2	5,691,146		Mayrand	11-25-1997	
	3	5,866,336		Nazarenko et al.	02-02-1999	
	4	5,925,517		Tyagi et al.	07-20-1999	
	5	6,037,130		Tyagi et al.	03-14-2000	
	6	6,090,552		Nazarenko et al.	07-18-2000	
	7	6,150,097		Tyagi et al.	11-21-2000	
	8	6,277,607		Tyagi et al.	08-21-2001	
	9	6,380,377		Dattagupta	04-30-2002	
	10	6,391,544		Salituro et al.	05-21-2002	
	11	2003/0134307		Beckman et al.	07-17-2003	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Number	Kind Code (if known)				
	12	WO	01/83820		Montclair Group	11/08/2001		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
	13	Blok and Kramer (1997) "Amplifiable hybridization probes containing a molecular switch" <u>Mol Cell Probes</u> 11:187-194	
	14	Broude (2002) "Stem-loop oligonucleotides: A robust tool for molecular biology and biotechnology" <u>Trends in Biotechnology</u> 20(6):249-256	
	15	Kaboev et al. (2000) "PCR hot start using primers with the structure of molecular beacons (hairpin-like structure)" <u>Nuc. Acids Res.</u> 28 (21):e94	

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Substitute for form 1449A-B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>	Complete if Known	
	Application Number	10/766,313
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	Examiner Name	Unassigned
	Attorney Docket Number	20-001320US
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	16	Mackay et al. (2002) "Real-time PCR in virology" <u>Nucleic Acids Res.</u> 30(6):1292-1305	
	17	Nazarenko et al. (1997) "A closed tube format for amplification and detection of DNA based on energy transfer" <u>Nucl. Acids Res.</u> 25:2516-2521	
	18	Nuovo et al (1999) "In situ amplification using universal energy transfer-labeled primers" <u>The Journal of Histochemistry and Cytochemistry</u> 47(3):273-279	
	19	Poddar (2000) "Symmetric vs. asymmetric PCR and molecular beacon probe in the detection of a target gene of adenovirus" <u>Molecular and Cellular Probes</u> 14: 25-32	

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